

Title (en)

Dust remover

Title (de)

Vorrichtung zum Entfernen von Staub

Title (fr)

Dispositif d'élimination de poussières

Publication

EP 1852192 A2 20071107 (EN)

Application

EP 07008569 A 20070426

Priority

JP 2006128035 A 20060502

Abstract (en)

A dust remover which comprises a power supply (32) and an electrode (30) applied with voltage by said power supply. The dust (12) attached to the object of dust removal is removed therefrom by bringing the electrode (30) into contact with the object of dust removal or approaching toward the object of dust removal. The object of dust removal is a conductor and/or an insulator. The voltage applied to said electrode (30) is a pulsed voltage of plus and minus or an AC voltage of plus and minus. Or the voltage is a DC voltage having the same polarity with that of electricity with which the dust is charged, or the voltage is a DC voltage having an opposite polarity to that of electricity with which the dust is charged. The object of dust removal includes at least a ball for "Pachinko", a car body, a printed board, a metal box or a part thereof, a frame for glasses, a plastic lens, a plastic box or a part thereof, a fiber, a wood, a paper box or a part thereof.

IPC 8 full level

B08B 6/00 (2006.01)

CPC (source: EP US)

A47L 13/40 (2013.01 - EP US); **B08B 5/04** (2013.01 - EP US); **B08B 6/00** (2013.01 - EP US)

Cited by

CN102357474A; CN104117507A; DE102014111514A1; DE102010001854A1; DE102010001854B4; WO2013188420A1; WO2011088910A2; US9358590B2; US9186709B2; US9302299B2; WO2011088910A3; WO2014108297A1

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Designated extension state (EPC)

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EP 1852192 A2 20071107; **EP 1852192 A3 20111019**; CN 101104173 A 20080116; CN 102513308 A 20120627; JP 2007296488 A 20071115; US 2007256258 A1 20071108; US 2014190511 A1 20140710

DOCDB simple family (application)

EP 07008569 A 20070426; CN 200710101126 A 20070429; CN 201110330677 A 20070429; JP 2006128035 A 20060502; US 201414190052 A 20140225; US 73927807 A 20070424